SEQUENCE LISTING

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Eiges, Rachel

<120> GENE PROFILING OF HUMAN EMBRYONIC STEM CELLS

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Ile Trp Cys Arg Asp Ser Asp Arg Gly Thr Ser Leu Gly Arg Ser Ile
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Gly Arg Ser Ile Pro Ser Pro Pro Ala Leu Cys Ser Val Arg Lys Ile
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Tyr Leu Gly Pro Gln Val Leu Arg Leu Thr Ser Pro Arg Asn Ile Ser
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gccagagaat ccctgtgact ttacgggttc tgagccaatg accgtgggtg agaacggcag 2100

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Ala Ala Pro Ala Ala Pro Ala Ala Gly Glu Leu Gly Ala Pro Val Asn
35 40 45

His Pro Gly Asn Asp Glu Val Ala Ser Glu Asp Glu Ala Thr Val Lys
50 55 60

Arg Leu Arg Arg Glu Glu Thr His Val Cys Glu Lys Cys Cys Ala Glu
65 70 75 80

Phe Phe Ser Ile Ser Glu Phe Leu Glu His Lys Lys Asn Cys Thr Lys
85 90 95

Asn Pro Pro Val Leu Ile Met Asn Asp Ser Glu Gly Pro Val Pro Ser
100 105 110

Glu Asp Phe Ser Gly Ala Val Leu Ser His Gln Pro Thr Ser Pro Gly

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        115                 120                 125

Ser Lys Asp Cys His Arg Glu Asn Gly Gly Ser Ser Glu Asp Met Lys
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Glu Lys Pro Asp Ala Glu Ser Val Val Tyr Leu Lys Thr Glu Thr Ala
145                 150                 155                 160

Leu Pro Pro Thr Pro Gln Asp Ile Ser Tyr Leu Ala Lys Gly Lys Val
                165                 170                 175

Ala Asn Thr Asn Val Thr Leu Gln Ala Leu Arg Gly Thr Lys Val Ala
            180                 185                 190

Val Asn Gln Arg Ser Ala Asp Ala Leu Pro Ala Pro Val Pro Gly Ala
        195                 200                 205

Asn Ser Ile Pro Trp Val Leu Glu Gln Ile Leu Cys Leu Gln Gln Gln
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Gln Leu Gln Gln Ile Gln Leu Thr Glu Gln Ile Arg Ile Gln Val Asn
225                 230                 235                 240

Met Trp Ala Ser His Ala Leu His Ser Ser Gly Ala Gly Ala Asp Thr
                245                 250                 255

Leu Lys Thr Leu Gly Ser His Met Ser Gln Gln Val Ser Ala Ala Val
            260                 265                 270

Ala Leu Leu Ser Gln Lys Ala Gly Ser Gln Gly Leu Ser Leu Asp Ala
        275                 280                 285

Leu Lys Gln Ala Lys Leu Pro His Ala Asn Ile Pro Ser Ala Thr Ser
    290                 295                 300

Ser Leu Ser Pro Gly Leu Ala Pro Phe Thr Leu Lys Pro Asp Gly Thr
305                 310                 315                 320

Arg Val Leu Pro Asn Val Met Ser Arg Leu Pro Ser Ala Leu Leu Pro
                325                 330                 335

Gln Ala Pro Gly Ser Val Leu Phe Gln Ser Pro Phe Ser Thr Val Ala
            340                 345                 350

Leu Asp Thr Ser Lys Lys Gly Lys Gly Lys Pro Pro Asn Ile Ser Ala
        355                 360                 365
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Val Asp Val Lys Pro Lys Asp Glu Ala Ala Leu Tyr Lys His Lys Cys
    370                 375                 380

Lys Tyr Cys Ser Lys Val Phe Gly Thr Asp Ser Ser Leu Gln Ile His
385                 390                 395                 400

Leu Arg Ser His Thr Gly Glu Arg Pro Phe Val Cys Ser Val Cys Gly
                405                 410                 415

His Arg Phe Thr Thr Lys Gly Asn Leu Lys Val His Phe His Arg His
            420                 425                 430

Pro Gln Val Lys Ala Asn Pro Gln Leu Phe Ala Glu Phe Gln Asp Lys
        435                 440                 445

Val Ala Ala Gly Asn Gly Ile Pro Tyr Ala Leu Ser Val Pro Asp Pro
    450                 455                 460

Ile Asp Glu Pro Ser Leu Ser Leu Asp Ser Lys Pro Val Leu Val Thr
465                 470                 475                 480

Thr Ser Val Gly Leu Pro Gln Asn Leu Ser Ser Gly Thr Asn Pro Lys
                485                 490                 495

Asp Leu Thr Gly Gly Ser Leu Pro Gly Asp Leu Gln Pro Gly Pro Ser
            500                 505                 510

Pro Glu Ser Glu Gly Gly Pro Thr Leu Pro Gly Val Gly Pro Asn Tyr
        515                 520                 525

Asn Ser Pro Arg Ala Gly Gly Phe Gln Gly Ser Gly Thr Pro Glu Pro
    530                 535                 540

Gly Ser Glu Thr Leu Lys Leu Gln Gln Leu Val Glu Asn Ile Asp Lys
545                 550                 555                 560

Ala Thr Thr Asp Pro Asn Glu Cys Leu Ile Cys His Arg Val Leu Ser
                565                 570                 575

Cys Gln Ser Ser Leu Lys Met His Tyr Arg Thr His Thr Gly Glu Arg
            580                 585                 590

Pro Phe Gln Cys Lys Ile Cys Gly Arg Ala Phe Ser Thr Lys Gly Asn
        595                 600                 605
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Leu Lys Thr His Leu Gly Val His Arg Thr Asn Thr Ser Ile Lys Thr
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Gln His Ser Cys Pro Ile Cys Gln Lys Lys Phe Thr Asn Ala Val Met
625                 630                 635                 640

Leu Gln Gln His Ile Arg Met His Met Gly Gly Gln Ile Pro Asn Thr
                645                 650                 655

Pro Leu Pro Glu Asn Pro Cys Asp Phe Thr Gly Ser Glu Pro Met Thr
            660                 665                 670

Val Gly Glu Asn Gly Ser Thr Gly Ala Ile Cys His Asp Asp Val Ile
        675                 680                 685

Glu Ser Ile Asp Val Glu Glu Val Ser Ser Gln Glu Ala Pro Ser Ser
    690                 695                 700

Ser Ser Lys Val Pro Thr Pro Leu Pro Ser Ile His Ser Ala Ser Pro
705                 710                 715                 720

Thr Leu Gly Phe Ala Met Met Ala Ser Leu Asp Ala Pro Gly Lys Val
                725                 730                 735

Gly Pro Ala Pro Phe Asn Leu Gln Arg Gln Gly Ser Arg Glu Asn Gly
            740                 745                 750

Ser Val Glu Ser Asp Gly Leu Thr Asn Asp Ser Ser Ser Leu Met Gly
        755                 760                 765

Asp Gln Glu Tyr Gln Ser Arg Ser Pro Asp Ile Leu Glu Thr Thr Ser
    770                 775                 780

Phe Gln Ala Leu Ser Pro Ala Asn Ser Gln Ala Glu Ser Ile Lys Ser
785                 790                 795                 800

Lys Ser Pro Asp Ala Gly Ser Lys Ala Glu Ser Ser Glu Asn Ser Arg
                805                 810                 815

Thr Glu Met Glu Gly Arg Ser Ser Leu Pro Ser Thr Phe Ile Arg Ala
            820                 825                 830

Pro Pro Thr Tyr Val Lys Val Glu Val Pro Gly Thr Phe Val Gly Pro
        835                 840                 845
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Ser Thr Leu Ser Pro Gly Met Thr Pro Leu Leu Ala Ala Gln Pro Arg
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Arg Gln Ala Lys Gln His Gly Cys Thr Arg Cys Gly Lys Asn Phe Ser
865                 870                 875                 880

Ser Ala Ser Ala Leu Gln Ile His Glu Arg Thr His Thr Gly Glu Lys
                885                 890                 895

Pro Phe Val Cys Asn Ile Cys Gly Arg Ala Phe Thr Thr Lys Gly Asn
            900                 905                 910

Leu Lys Val His Tyr Met Thr His Gly Ala Asn Asn Asn Ser Ala Arg
        915                 920                 925

Arg Gly Arg Lys Leu Ala Ile Glu Asn Thr Met Ala Leu Leu Gly Thr
    930                 935                 940

Asp Gly Lys Arg Val Ser Glu Ile Phe Pro Lys Glu Ile Leu Ala Pro
945                 950                 955                 960

Ser Val Asn Val Asp Pro Val Val Trp Asn Gln Tyr Thr Ser Met Leu
                965                 970                 975

Asn Gly Gly Leu Ala Val Lys Thr Asn Glu Ile Ser Val Ile Gln Ser
            980                 985                 990

Gly Gly Val Pro Thr Leu Pro Val  Ser Leu Gly Ala Thr  Ser Val Val
        995                 1000                1005

Asn Asn  Ala Thr Val Ser Lys  Met Asp Gly Ser Gln  Ser Gly Ile
    1010                1015                1020

Ser Ala  Asp Val Glu Lys Pro  Ser Ala Thr Asp Gly  Val Pro Lys
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His Gln  Phe Pro His Phe Leu  Glu Glu Asn Lys Ile  Ala Val Ser
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